ELSEVIER

Journal of Membrane Science 111 (1996) 299

journal of MEMBRANE SCIENCE

Author Index

Barbari, T.A. 115
Belfort, G. 193
Bellhouse, B. 105
Bhattacharjee, S. 243
Bhattacharya, P.K. 243
Bhown, A.S. 71

Chanachai, A. 39
Chowdhury, G. 57
Côté, P. 227

Da Silva Peres, D. 143
Dickson, J.M. 227
Dye, R.C. 123

Eyal, A.M. 259, 273

Filho, G.R. 143
Friestad, K. 159
Furusaki, S. 1

Gagné, S. 57
Gregorkiewitz, M. 7

Ha, H.Y. 81
Hirayama, Y. 169, 183
Holmen, R. 159
Hong, S.-A. 81
Hsiue, G.-H. 27

Inoue, T. 93

Jerdal, L.O. 159
Jiraratananon, R. 39

Kharton, V.V. 149
Khulbe, K.C. 57
Kislik, V.S. 259, 273
Kjelstrup-Ratkje, S. 159
Konishi, S. 1
Koros, W.J. 283
Kruczek, B. 57
Kulkarni, S.S. 49
Kusuki, Y. 169, 183

Lamb, J.D. 291
Leal, D.A. 143
Li, R.H. 115
Lichtenthaler, R.N. 135
Lim, T.H. 81
Liu, M.G. 227

Matsuura, T. 57
Millward, H. 105
Moaddeb, M. 283
Møller-Holst, S. 159
Muñoz-Aguado, M.J. 7
Musale, D.A. 49
Mussini, P.R. 217

Nakagaki, M. 19
Nam, S.W. 81
Naumovich, E.N. 149
Nikolaev, A.V. 149
Ninomiya, K. 169, 183
Nunes, S.P. 93

Oh, I.-H. 81
Okada, T. 159

Pakala, N.R. 71
Peachey, N.M. 123
Peterson, R.T. 291

Rondinini, S. 217
Ruggiero, R. 143

Saito, K. 1
Sakakibara, T. 169, 183
Schow, A.J. 291
Sharma, A. 243
Snow, R.C. 123
Staudt-Bickel, C. 135
Sugo, T. 1

Takagi, R. 19
Tamari, T. 169, 183

Ulbricht, M. 193

Verma, S.P. 57

Xie, G. 159

Yang, J.-S. 27
Yoshinaga, T. 169, 183

ELSEVIER

Journal of Membrane Science 111 (1996) 301–302

journal of MEMBRANE SCIENCE

Subject Index

Artificial kidney, 143

Batch cell, 243
Biotechnology, 115
Bovine serum albumin, 49
Breakthrough curve, 1

Cation exchange membrane, 159
Cation separations, 291
Cellulose triacetate, 291
Ceramic support, 283
Chelating porous membrane, 1
Chemical vapor deposition (CVD), 81
Co and Cu ions, 1
Cohesive energy density, 183
Complexation, 143
Complex membrane, 27
Composite membranes, 115, 123
Concentration profile, 1

DEHPA carrier, 259
Dehydration of ketone/water mixtures, 135
Diffusion coefficient, 169, 183

6FDA-IPDA, 283
Flux prediction, 243
Fouling, 39, 49
Fractional free volume, 169

Gas permeability, 81
Gas separations, 7, 123, 283
Gel, 39
Grafted polyacrylates, 193
Graft polymerization, 193

Halogen, 169
Hemodialysis, 143
Hybrid processes, 135
Hydrogels, 115
Hydrogen selectivity, 81
Hydrophilicity, 49

Iminodiacetate group, 1
Inorganic membrane, 19, 81
Ion-exchange membranes, 273
Ion transport, 159

$KCl–SrCl_2$, 159

Liquid membrane, 259, 273
Low temperature plasma, 193

Macrocyclic ligand, 291
Mass transfer, 71
Membrane charge, 19
Membrane formation, 93
Membrane potentials, 19, 217
Membrane preparation and structure, 115, 123
Membrane process, 71
Membrane selectivity, 217
Metal membranes, 123
Microfiltration, 105
Microporous hollow fibers, 71
Microporous silica, 7
Mixed electrolyte activities, 217
Model equations, 259

$NaCl–SrCl_2$, 159
Nucleation and growth mechanisms, 93

Olefin/paraffin separation, 27
Oxygen electrochemical membranes, 149
Oxygen permeability, 149

Particle deposition, 71
Passion fruit juice, 39
Permeability, 27, 169
Perovskite-like oxides, 149
Pervaporation, 135, 227
Polar substituent, 169
Polyacrylonitrile, 193
Polyimide, 169, 183
Polymeric membranes, 291
Polysulfone, 193
Poly[(1-trimethylsilyl)-1-propyne], 27
Pore size dependency, 19
Power ratio, 105
Pressure drop, 71

Protein fouling, 193
PVA membranes, 135

Raman spectroscopy of polymers, 57
Regenerated cellulose, 143
Resistance-in-series model, 227
Resistances, 39

Scale-up, 105
Segment interaction, 183
Selectivity, 27
Shirasu porous glass (SPG) membrane, 19
Silica, 283
Silica-based inorganic membranes, 7
Spinodal decomposition, 93
Storage modulus, 183
Sugar-cane bagasse, 143
Supported liquid membrane, 291
Support layer resistance, 227
Surface modification, 193
Surface morphology by AFM, 57
Synthetic membranes, 57
System design, 227

TexSep membranes, 135
Thermal stability, 7
Thin film, 283
Titania, 81
Titanium(IV)–DEHPA complexes, 273
Titanium(IV) transport, 259
Transference numbers, 217

Ultrafiltration, 39, 49, 243
Ultrafiltration membranes, 193

Water transport, 159
Water treatment, 227

Zeta potential, 49